DIN SPEC 91383:2024-08 (E)

JT Industrial Application Package (JTIAP); Text in English

Inhalt

Seite

Foreword 4

Introduction 6

1 Scope 9

2 Normative references 9

3 Terms and definitions 9

4 Support of industrial use cases and need for scope extension 10

5 File format 12
5.1 General 12
5.2 File Structure — defined in PSI 14-1 13
5.3 File Header — defined in PSI 14-1 13
5.4 TOC Segment — defined in PSI 14-1 13
5.5 Data Segment — defined in PSI 14-1 13
5.6 Geometry Segment 14
5.7 JT PMI Properties — defined in PSI 14-1 14

6 Enhancement of the ISO 14306 functionalities 15
6.1 General 15
6.2 Reading 10.5 JT — Format changes 15
6.3 Polygon Set LOD Element 15
6.4 Better compression 15
6.4.1 General 15
6.4.2 LMZA replaces ZLIB 15
6.4.3 Enhanced Int32 Compressed Data Packet 16
6.5 Enhanced Compressed Auxiliary Fields Array 16
6.6 Rationalized Topomesh Compressed Rep Data 16
6.7 Added Per Field Final Flags To JT Attributes. 16

7 JT and AP242 Domain Model XML 16

Annex A (informative) History and evolution of JT 18

Bibliography 20

Figures

Figure 1 — The modular concept of DIN SPEC 91383, *JT Industrial Application Package* 7

Tables

Table 1 — JT Use Cases specified in the prostep ivip Recommendation PSI 14-2 10

Table 2 — Segment Types in DIN SPEC 91383 13

Table A.1 — Progress of the JT specifications over the time 19